

Open ended java question:

```
import javax.swing.*;  
import java.awt.*;  
import java.awt.event.*;
```

```
class Swing Demo {
```

```
    Swing Demo() {
```

```
        JFrame jfrm = new JFrame("Divide App");
```

```
        jfrm.setSize(275, 150);
```

```
        jfrm.setLayout(new FlowLayout());
```

```
        jfrm.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
```

```
        JLabel jlab = new JLabel("Enter dividend & divisor");
```

```
        JTextField ajtf = new JTextField(8);
```

```
        JTextField bjtf = new JTextField(8);
```

```
        JButton cbutton = new JButton("Calculate");
```

```
        JLabel err = new JLabel();
```

```
        JLabel alab = new JLabel();
```

```
        JLabel blab = new JLabel();
```

```
        JLabel ansLab = new JLabel();
```

```
        jfrm.add(err);
```

```
        jfrm.add(jlab);
```

```
        jfrm.add(ajtf);
```

```
        jfrm.add(bjtf);
```

```
        jfrm.add(cbutton);
```

```
        jfrm.add(alab);
```

```
        jfrm.add(blab);
```

```
        jfrm.add(ansLab);
```



```
ActionListener l = new ActionListener() {
    public void actionPerformed(ActionEvent evt) {
        System.out.println("Action event from a text field");
    }
};

a1j1.addActionListener(l);
b1j1.addActionListener(l);
button.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent evt) {
        try {
            int a = Integer.parseInt(a1j1.getText());
            int b = Integer.parseInt(b1j1.getText());
            int ans = a/b;
            a1ab.setText("In A = " + a);
            b1ab.setText("In B = " + b);
            ans1ab.setText("In Ans = " + ans);
        }
        catch (NumberFormatException e) {
            a1ab.setText("");
            b1ab.setText("");
            ans1ab.setText("");
            err.setText("Enter only Integer!");
        }
        catch (ArithmeticException e) {
            a1ab.setText("");
            b1ab.setText("");
            ans1ab.setText("");
            err.setText("B should be NonZero!");
        }
    }
});
j1frm.setVisible(true);
}
```



```
public static void main(String args[]) {
```

Swing utilities involve later crew running.

```
public void run() {
```

new Swing Democrats;

3

37)

1. $\frac{1}{2}$ of the whole is $\frac{1}{2}$ of the whole.

2/ Wed. 3. Feb. 11) *Leptogaster gallica* *Leptogaster*

[Faint handwritten text, possibly a signature or date, is visible in the background.]

$\frac{1}{10} \times 10 = 1$

$1010 = 270 \text{ hr}$

$\frac{1}{2} \log 10 = 0.1761$
 $\frac{1}{2} \log 10 = 0.1761$
 $\frac{1}{2} \log 10 = 0.1761$

(a) $(1 - \frac{1}{2})^n$ for $n = 1, 2, \dots$

1. Top Left (100%)

1. Explain the importance of the following factors in the selection of a site for a new project.

(10) test b2-dp/2

102. dolo

fast 192: d/d

10/10/10 11:30 AM 12/10/10 11:30 AM

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long first band

1st 62. dolo
(1st 62) 1st 62. dolo
1st 62. dolo

62

10/10/2020

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10/10/2020

7/11/24

{program - 9 }

- Q) Write a program that creates a ui to perform integer division. The user enters 2 numbers in the text fields Num1 & Num2. The division of n_1 & n_2 is displayed in the Result field when divide button is clicked. if n_1 or n_2 were not integers would throw error. if n_2 is 0 throws error.

Enter the divider & dividend		
10		2
<div>calculate</div> <div>$A=10$ $B=2$ $Ans=5$</div>		

Integer 2 is should be non zero		
10		0
<div>calculate</div>		

Enter only Integer		
a		b
<div>calculate</div>		